

# Claims

- [c1] A peripheral input device for controlling movement on a display screen .More particularly, having massage mechanism .The mouse having massage feature comprising: a housing ; the massage mechanism ; and a massage disabling cover use as option for using mouse without massaging.
- [c2] Mouse having massage feature as recite in claim1,wherein massage mechanism make up a substantial portion of housing.
- [c3] Mouse having massage feature as recite in claim2, wherein the massage mechanism which control by switch cooperate with the light sensing system .An adjustable level of massaging is included.
- [c4] Mouse having massage feature as recite in claim3 ,wherein adjustable level of massaging is neglect.
- [c5] Mouse having massage feature as recite in claim3 ,wherein use the Light Decreasing Resistor (LDR) as the light sensing device.
- [c6] Mouse having massage feature as recite in claim5,

wherein the light operable window make up a substantial portion of the housing.

[c7] Mouse having massage feature as recite in claim6, wherein housing is formed a light transmissive material .

[c8] Mouse having massage feature as recite in claim6 , wherein housing is formed a translucent material.

[c9] Mouse having massage feature as recite in claim6 ,wherein LDR is configured to work through the light operable window.

[c10] Mouse having massage feature as recite in claim3, wherein the mouse device is mechanical mouse.

[c11] Mouse having massage feature as recite in claim3, wherein the mouse device is optical mouse.

[c12] A method of massaging mechanism controlling which electrical circuit schematic as shown as FIG.11 . The circuit comprising: Switch ; ON and OFF position is selected for close and open the massage mechanism controlling circuit. LDR will increase resistance in lower light receiving status and when voltage from source was supplied to the circuit and switch is turn ON position .LDR is configured at light operable window is in dark condition ,say user catch the mouse. The voltage signal from operation

amplifier (Op-Amp) is positive under adjusting of adjustable resistance the controlled current from source will supply to motor which drive the massaging mechanism. Limit current resistor use for limit current supply to motor.

[c13] A method of massaging mechanism controlling as recite in claim 12 ,wherein neglect the adjustable resistor (R5), capacitor (C1), limit current resistor (R6) from circuit.

[c14] The massaging mechanism comprising : a motor is mounted into fixture an output shaft rotatably driven by motor and protruding therefrom, a worm gear is mounted into motor shaft and it gear teeth contact with gear teeth of the reduction gears ; is mounted into pins which fix into fixture this reduction gear use for reduce the rotation speed and drive cylindrical incline with gear by their contact gear teeth. The rotation of cylindrical incline with gear let the massage button alternately move along the desired hole in massage region ; a portion of housing. Between the massage button and housing support by springs. The reduction gear is mounted into pin will prevent slipping by gear – pin holder.

[c15] The massaging mechanism as recite in claim 14, wherein number of reduction gear is at least one or unavailable .

- [c16] The massaging mechanism as recite in claim 14,wherein springs for support theirs alternate movement will be substitute by elastic material.
- [c17] The massaging mechanism as recite in claim 14,wherein numbers of massage button at least one or more.
- [c18] The massaging mechanism as recite in claim 17,wherein the tip of massage button at cylindrical incline contact side is roller form and the like.
- [c19] The massaging mechanism as recite in claim 17,wherein the tip of massage button at cylindrical incline contact side is sphere, cut off sphere or ellipse form and the like.
- [c20] The massaging mechanism as recite in claim 14,wherein the rotation of cylindrical incline let the massage button alternately move along the desired hole of massage region; a portion of housing.
- [c21] The massaging mechanism as recite in claim 20,wherein the cylindrical incline is formed by number of incline at least one of their one rotation loop.
- [c22] The massaging mechanism as recite in claim 14,wherein The tail of massage button in user touching side are sphere, cut off sphere, ellipse, cube, rectangle, oval and the like.

- [c23] The massaging mechanism as recite in claim 22, wherein the tail of massage button in user touching side is wrapped by elastic material.
- [c24] The mouse having a massage feature as recite in claim 3, wherein transmitting signals to outside devices through an output cable.
- [c25] The mouse having a massage feature as recite in claim 3, wherein transmitting signals to outside devices through a wireless transmitting circuitry.